

PATENT ABSTRACTS OF JAPAN

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(54) TRAY JUMP-OUT PREVENTING DEVICE IN DISK PLAYER EQUIPPED WITH AUTO-CHANGER MECHANISM**(57)Abstract:**

PURPOSE: To stabilize a selecting function and to improve durability by dissolving force of inertia to be worked on a tray due to an external shock, etc., to an elevator base for drawing out and carrying the tray in a disk player equipped with an auto-changer mechanism.

CONSTITUTION: A tray jump-out preventing member 15 is supported slidably in the lateral direction E which is orthogonal to the direction of layering trays at a circumferentially peripheral part of a tray drawing hole 8 of a housing 3 for housing a magazine 5 keeping layered trays 7 on which disks are placed. At the time of loading the magazine, the tray jump-out preventing member is situated in a tray jump-out preventing position by energizing of a spring 18, so that the trays are prevented from jumping out. An engagement segment 17 on the elevator base 11 is cam-engaged with the tray jump-out preventing member in accordance with the rise of the elevator base, and the preventing member is moved in the lateral direction into a tray releasing position, so as to enable the trays to be drawn out for changing disks.

